

# Pond Sealing or Lining, Bentonite Treatment

## PRACTICE INTRODUCTION

USDA, Natural Resources Conservation Service - practice code 521C



### DEFINITION

Pond sealing with bentonite sealant is applying and incorporating a layer of bentonite clay into the soil to reduce seepage to an acceptable level.

### PRACTICE INFORMATION

This practice is used to improve the functionality of a pond, and prevent damage to the natural resources including unacceptable loss of water from seepage.

Treating pond bottoms with bentonite clay is often necessary when an insufficient amounts

of clay is present for chemical dispersants to work properly. The chemical is applied over the entire area to be sealed, the material is incorporated to a specified depth and then compacted as the final operation.

Ponds to be lined may include Irrigation Storage Reservoirs, Irrigation Pits, Waste Treatment Lagoons, Waste Treatment Ponds, and Ponds For Livestock/Wildlife.

Additional information including design criteria and specifications are in the local NRCS Field Office Technical Guide.